

HISTORIC AMERICAN ENGINEERING RECORD

INDEX TO PHOTOGRAPHS

HAER
ALA
37-BIRM
45F-

Stockham Pipe & Fittings Co.,
Malleable Foundry
Birmingham Industrial District
4000 10th Avenue North
Birmingham
Jefferson County
Alabama

HAER No. AL-49-F

NOTE: Photographs taken by Jet Lowe, Spring 1994.

- AL-49-F-1 MALLEABLE CHARGE BUCKET, SITTING ON A ROTATING TRACK, IS FILLED WITH IRON, COKE AND LIMESTONE FROM A SKIP HOIST LOADED IN THE YARD BELOW. THE FILLED CHARGE BUCKET TIPS, TOPPLING ITS LOAD INTO EITHER OF THE TWO MALLEABLE CUPOLAS IN THE MALLEABLE FOUNDRY.
- AL-49-F-2 MALLEABLE IRON BULL LADLE, HOLDS IRON AFTER IT IS TAPPED OUT OF THE CUPOLA UNTIL IT NEEDED BY POURERS ON THE CONVEYOR LINES WHO FILL MOBILE LADLES ATTACHED TO OVERHEAD RAIL SYSTEMS AS THE BULL LADLE TIPS.
- AL-49-F-3 1928 MALLEABLE FOUNDRY MOLD CONVEYOR #1 SHOWING CONVEYOR AND TRACK ARRANGEMENTS WITH OVERHEAD POURING WEIGHTS THAT REST ON A MOLD'S TOP SURFACE TO ENSURE THAT IRON DOES NOT FLOW OUT OF THE MOLD WHEN IT IS BEING POURED THROUGH THE OPENING IN THE WEIGHT.
- AL-49-F-4 ELECTRIC HOLDING FURNACE IN THE MALLEABLE FOUNDRY MAINTAINS CONSTANT TEMPERATURES FOR IRON PRIOR TO FILLING MOBILE LADLES.
- AL-49-F-5 MOBILE LADLES, ATTACHED TO OVERHEAD RAILS, ARE FILLED AT EITHER THE MALLEABLE FOUNDRY BULL LADLE OR ELECTRIC FURNACE BEFORE THEY TRANSPORT MOLTEN IRON TO MOLDS PREPARED BY DISAMATIC MOLDMAKING MACHINE OR ON ONE OF THE CONVEYORS.